

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/701,536 A
Source: 1FW16
Date Processed by STIC: 10/15/04

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/701,536A

DATE: 10/15/2004

TIME: 10:50:37

Input Set : A:\64907 repl.seq.txt

Output Set: N:\CRF4\10152004\I701536A.raw

3 <110> APPLICANT: The Government of the United States of America as
 4 represented by the Secretary of the Department of Health and
 5 Human Services, Centers for Disease Control and Prevention
 6 Chang, Gwong-Jen J.
 8 <120> TITLE OF INVENTION: NUCLEIC ACID VACCINES FOR PREVENTION OF FLAVIVIRUS INFECTION
 10 <130> FILE REFERENCE: 6395-64907-01
 12 <140> CURRENT APPLICATION NUMBER: US 09/701,536A
 C--> 13 <141> CURRENT FILING DATE: 2001-06-18
 15 <150> PRIOR APPLICATION NUMBER: US 60/087,908
 16 <151> PRIOR FILING DATE: 1998-06-04
 18 <150> PRIOR APPLICATION NUMBER: PCT/US99/12298
 19 <151> PRIOR FILING DATE: 1999-06-03
 21 <160> NUMBER OF SEQ ID NOS: 17
 23 <170> SOFTWARE: PatentIn version 3.3
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 48
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Synthetic sequence
 34 <220> FEATURE:
 35 <221> NAME/KEY: CDS
 36 <222> LOCATION: (25)..(48)
 38 <400> SEQUENCE: 1
 39 cttggtacct ctagagccgc cgcc atg ggc aga aag caa aac aaa aga 48
 40 Met Gly Arg Lys Gln Asn Lys Arg
 41 1 5
 44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 8
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Synthetic Construct
 52 <400> SEQUENCE: 2
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 55 1 5
 58 <210> SEQ ID NO: 3
 59 <211> LENGTH: 50
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Artificial Sequence
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: Synthetic sequence
 66 <400> SEQUENCE: 3

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67 ttttcttttg cggccgctca aacttaagca tgcacattgg tcgctaagaa      50
70 <210> SEQ ID NO: 4
71 <211> LENGTH: 27
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: synthetic sequence
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (1)..(27)
82 <223> OTHER INFORMATION: reverse complement of positions 24-50 of SEQ ID NO: 3
84 <220> FEATURE:
85 <221> NAME/KEY: CDS
86 <222> LOCATION: (1)..(27)
88 <400> SEQUENCE: 4
89 ttc tta gcg acc aat gtg cat gct taa      27
90 Phe Leu Ala Thr Asn Val His Ala
91 1      5
94 <210> SEQ ID NO: 5
95 <211> LENGTH: 8
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Synthetic Construct
102 <400> SEQUENCE: 5
104 Phe Leu Ala Thr Asn Val His Ala
105 1      5
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 7
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Part of plasmid
116 <400> SEQUENCE: 6
117 tatataa      7
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 77
122 <212> TYPE: DNA
123 <213> ORGANISM: artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Multicloning site
128 <400> SEQUENCE: 7
129 ggtaccgagc tcggatccag tagtaacggc cgccagtgtg ctggaattct gcagatatcc      60
131 atcacactgg cggccgc      77
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 48
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:

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140 <223> OTHER INFORMATION: Synthetic sequence

143 <220> FEATURE:

144 <221> NAME/KEY: CDS

145 <222> LOCATION: (25)..(48)

147 <400> SEQUENCE: 8

148 cttggtacct ctagagccgc cgcc atg cgt tcc cat gat gtt ctg act 48

149 Met Arg Ser His Asp Val Leu Thr

150 1 5

153 <210> SEQ ID NO: 9

154 <211> LENGTH: 8

155 <212> TYPE: PRT

156 <213> ORGANISM: Artificial Sequence

158 <220> FEATURE:

159 <223> OTHER INFORMATION: Synthetic Construct

161 <400> SEQUENCE: 9

163 Met Arg Ser His Asp Val Leu Thr

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169 <212> TYPE: DNA

170 <213> ORGANISM: Artificial Sequence

172 <220> FEATURE:

173 <223> OTHER INFORMATION: Synthetic sequence

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180 <211> LENGTH: 24

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182 <213> ORGANISM: artificial sequence

184 <220> FEATURE:

185 <223> OTHER INFORMATION: synthetic sequence

188 <220> FEATURE:

189 <221> NAME/KEY: misc_feature

190 <222> LOCATION: (1)..(24)

191 <223> OTHER INFORMATION: reverse complement of positions 18 through 41 of SEQ ID NO:

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193 <220> FEATURE:

194 <221> NAME/KEY: CDS

195 <222> LOCATION: (1)..(24)

197 <400> SEQUENCE: 11

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205 <212> TYPE: PRT

206 <213> ORGANISM: artificial sequence

208 <220> FEATURE:

209 <223> OTHER INFORMATION: Synthetic Construct

211 <400> SEQUENCE: 12

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Input Set : A:\64907 repl.seq.txt

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214 1 5

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218 <211> LENGTH: 54

219 <212> TYPE: DNA

220 <213> ORGANISM: Artificial Sequence

222 <220> FEATURE:

223 <223> OTHER INFORMATION: Synthetic sequence

226 <220> FEATURE:

227 <221> NAME/KEY: CDS

228 <222> LOCATION: (25)..(54)

230 <400> SEQUENCE: 13

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233 1 5

235 tcg 54

236 Ser

237 10

240 <210> SEQ ID NO: 14

241 <211> LENGTH: 10

242 <212> TYPE: PRT

243 <213> ORGANISM: Artificial Sequence

245 <220> FEATURE:

246 <223> OTHER INFORMATION: Synthetic Construct

248 <400> SEQUENCE: 14

250 Met Ser Lys Lys Arg Gly Gly Thr Arg Ser

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254 <210> SEQ ID NO: 15

255 <211> LENGTH: 38

256 <212> TYPE: DNA

257 <213> ORGANISM: Artificial Sequence

259 <220> FEATURE:

260 <223> OTHER INFORMATION: Synthetic sequence

262 <400> SEQUENCE: 15

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266 <210> SEQ ID NO: 16

267 <211> LENGTH: 21

268 <212> TYPE: DNA

269 <213> ORGANISM: Artificial sequence

271 <220> FEATURE:

272 <223> OTHER INFORMATION: Synthetic sequence

275 <220> FEATURE:

276 <221> NAME/KEY: misc_feature

277 <222> LOCATION: (1)..(21)

278 <223> OTHER INFORMATION: Reverse complement of positions 18 through 38 of SEQ ID NO:

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280 <220> FEATURE:

281 <221> NAME/KEY: CDS

282 <222> LOCATION: (1)..(21)

284 <400> SEQUENCE: 16

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286 Ala Thr Ser Val Gln Ala
287 1                    5
290 <210> SEQ ID NO: 17
291 <211> LENGTH: 6
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Synthetic Construct
298 <400> SEQUENCE: 17
300 Ala Thr Ser Val Gln Ala
301 1                    5
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VERIFICATION SUMMARY

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Input Set : A:\64907 repl.seq.txt

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date